

- Some details derived from the revision by Shreve, Field Mus. Bot. Ser. xi. no. 6.
- a. Outer involucre much shorter than inner; style-tips truncate or obtusely short-conical; achenes oblong, balliopsis (T. & G.) ... b.
- b. Perennials with mostly simple leaves; ligules roseate, white or yellow; achenes nearly straight, smooth, 1-3 mm. long; inner 4-6 mm. high; Leaves mostly opposite narrowly linear; ligules roseate or white; 1. C. rosea.
 achenes ringless; rhizome creeping.
- Leaves mostly alternate, linear-lanceolate to narrowly obovate; ligules about 3.5 mm. long; rhizome not creeping... 2. C. gladiata.
 outer involucre 2-6 mm. long; yellow; achenes pectinate-fringed; rhizome not creeping.
- b. Annual with principal leaves opposite, the radical and lower cauline leaves about 0.8-1.2 cm. long; ligules crimson-brown ... 3. C. tinctoria.
 trice pinnately divided into narrow segments; ligules yellow, at anthesis.
- a. Outer involucre nearly as long as perennials (some forming 1st year) with yellow ligules; achenes incurved, often papillose and with a callus at base and conical; achenes oblong to orbicular; ... c.
- c. Achenes roundish, incurved, often papillose and with a callus at base and apex of inner face; ligules mostly palmately lobed. Leucocarpus (Cass.) Gray... d.
- d. Wings of achene thin-scarious, outspread, broad when well developed. 2
 achenes lanceolate to spatulate; ligules 1.3-3 cm. long; wings the upper lanceolate to linear; rings
- e. Lower leaves lanceolate to spatulate; achenes 1.3-3 cm. long; wings the upper lanceolate to linear; rings
 achenes thin-scarious, outspread, broad when mature.
- Leaves mostly on lower half of stem, mostly entire, lanceolate; peduncles scap-like; 4-6 mm. long; achenes 2.3-3 mm. long. 4. C. lanceolata
- Leaves extending well up the stem, the upper 3-5-partite; peduncles becoming 6-7 mm. long 5. C. grandiflora.
- e. Lower leaves oblong or oval-obovate, the upper oblong or oblong-lanceolate; ligules 1-2.3 cm. long; achenes 2.8-3 mm. long. 6. C. pubescens.
- d. Wings of achene narrow, callous-thickened, involute; lower leaves ovate or roundish. 7. C. auriculata.
- c. Achenes oblong, nearly straight, without callus, ringless or very narrowly winged; ligules entire or but slightly toothed. 8. C. acrocarpa T. & G. ... f.
- f. Leaves sessile, palmately divided, but appearing toothed; outer involucre bracts about equalling inner; ligules acute; stems mostly less than 1 m. high. 9. C. palmata
- g. Leaves 3-cleft, not divided to base; achenes oblong, 1.8-2.3 mm. broad. 8. C. palmata
- g. Leaves divided to base, achenes obovate or elliptic. 9. C. palmata
- Segments of leaves linear and flat to oval; achenes 2-4 mm. broad. 11. C. verticillata.
- Segments of leaves filiform or filiform-linear; achenes 1-1.7 mm. broad. 11. C. verticillata.
- Segments of leaves linear and flat to oval or rhombic; achenes 2-4 mm. broad. 9 + 12. C. major.
- Minutely soft-pubescent; segments of leaves linear-lanceolate to rhombic-oval; disk corolla yellow. 9 + 12. C. major.
- Glabrous except at nodes; leaf-segments linear, 1-6 mm. broad; disk-collars reddish-brown. 10 + 13. C. delphinifolia.
- f. Leaves petiolate, pinnately 3-5-divided; outer involucre bracts rather shorter; ligules obtuse; stems 1-3 m. high. 12. C. tripteris.